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Islet-to-Duct Transformation

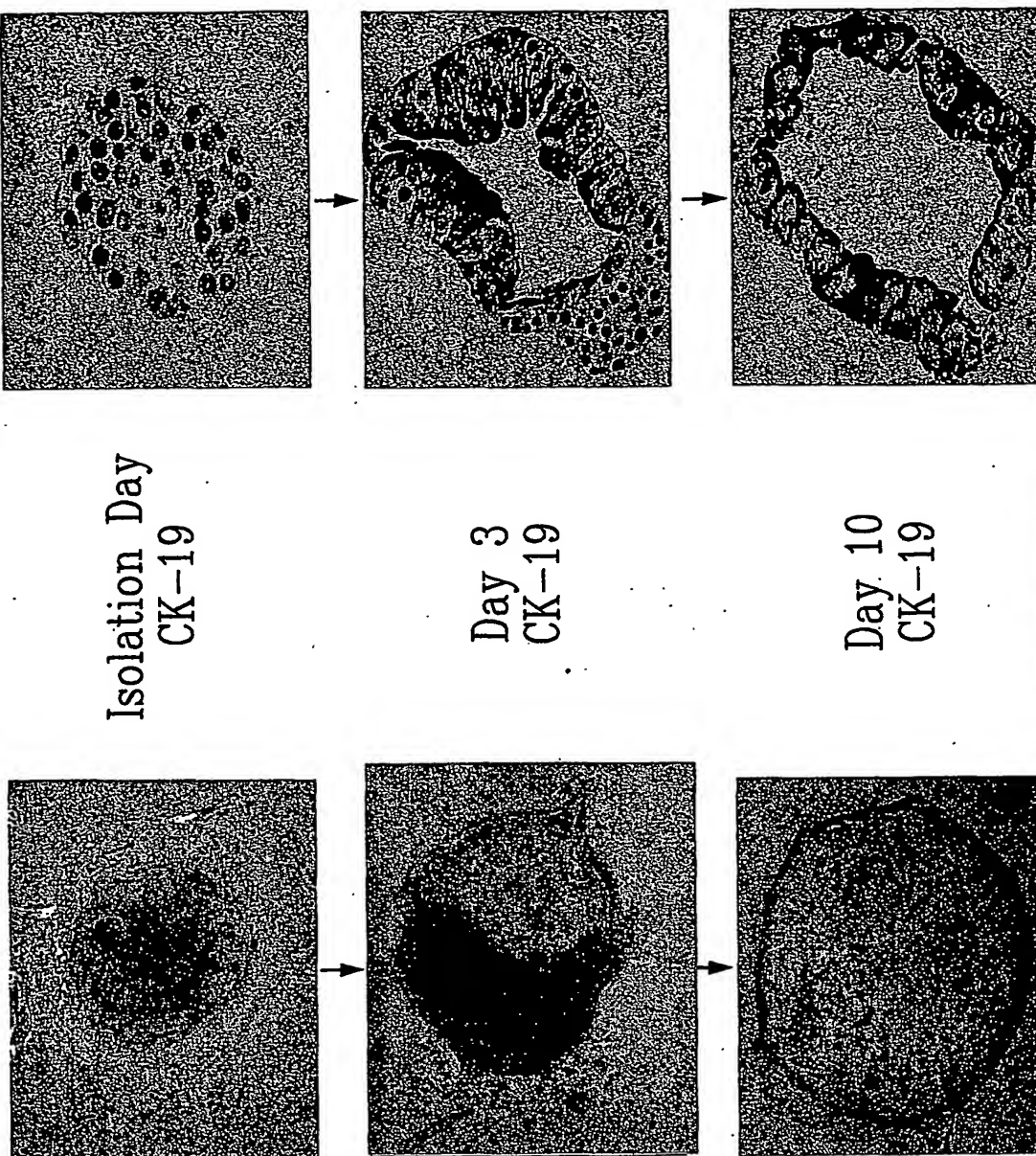


FIG. 1

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# Duct-to-Islet Transformation

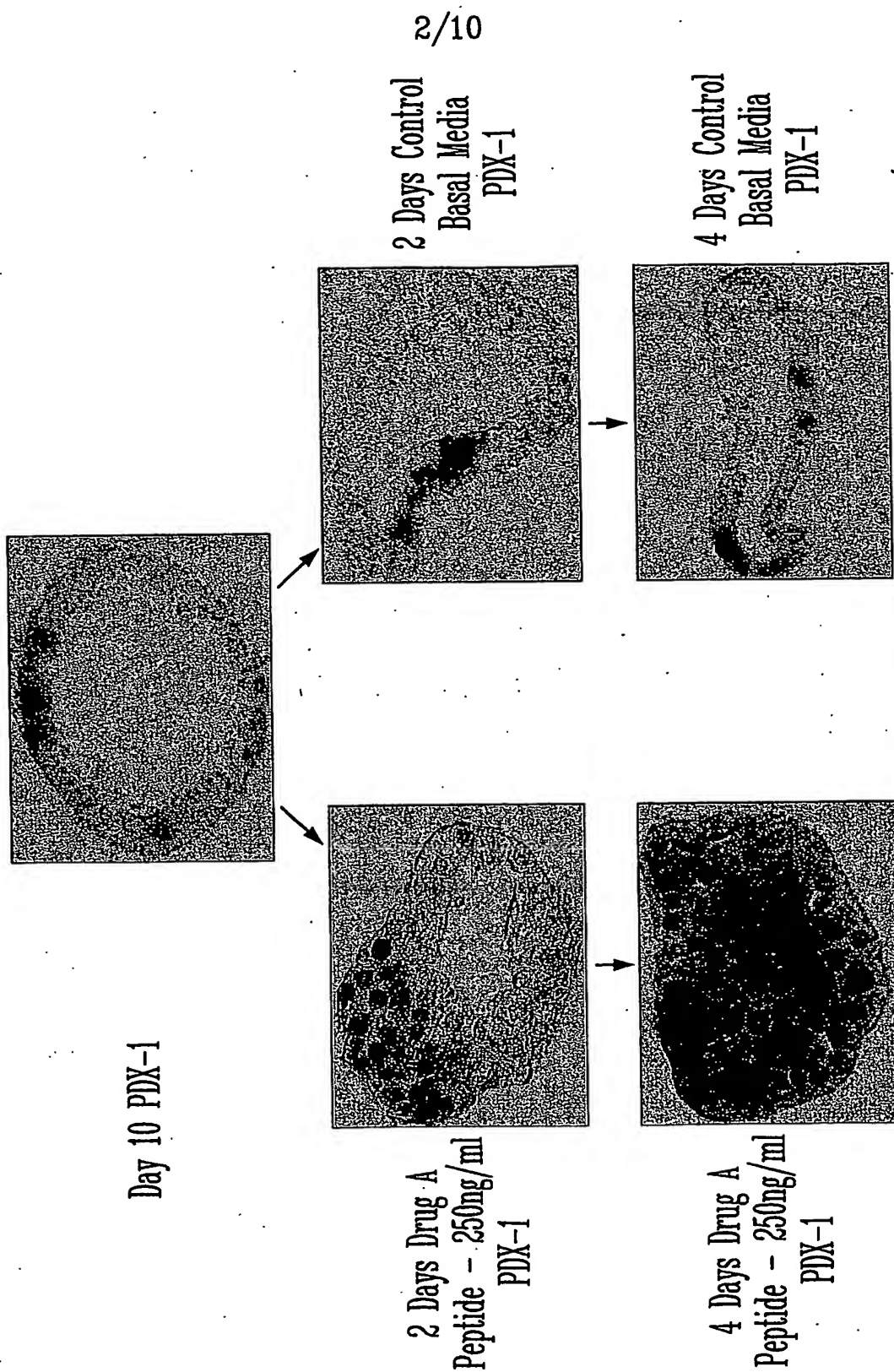
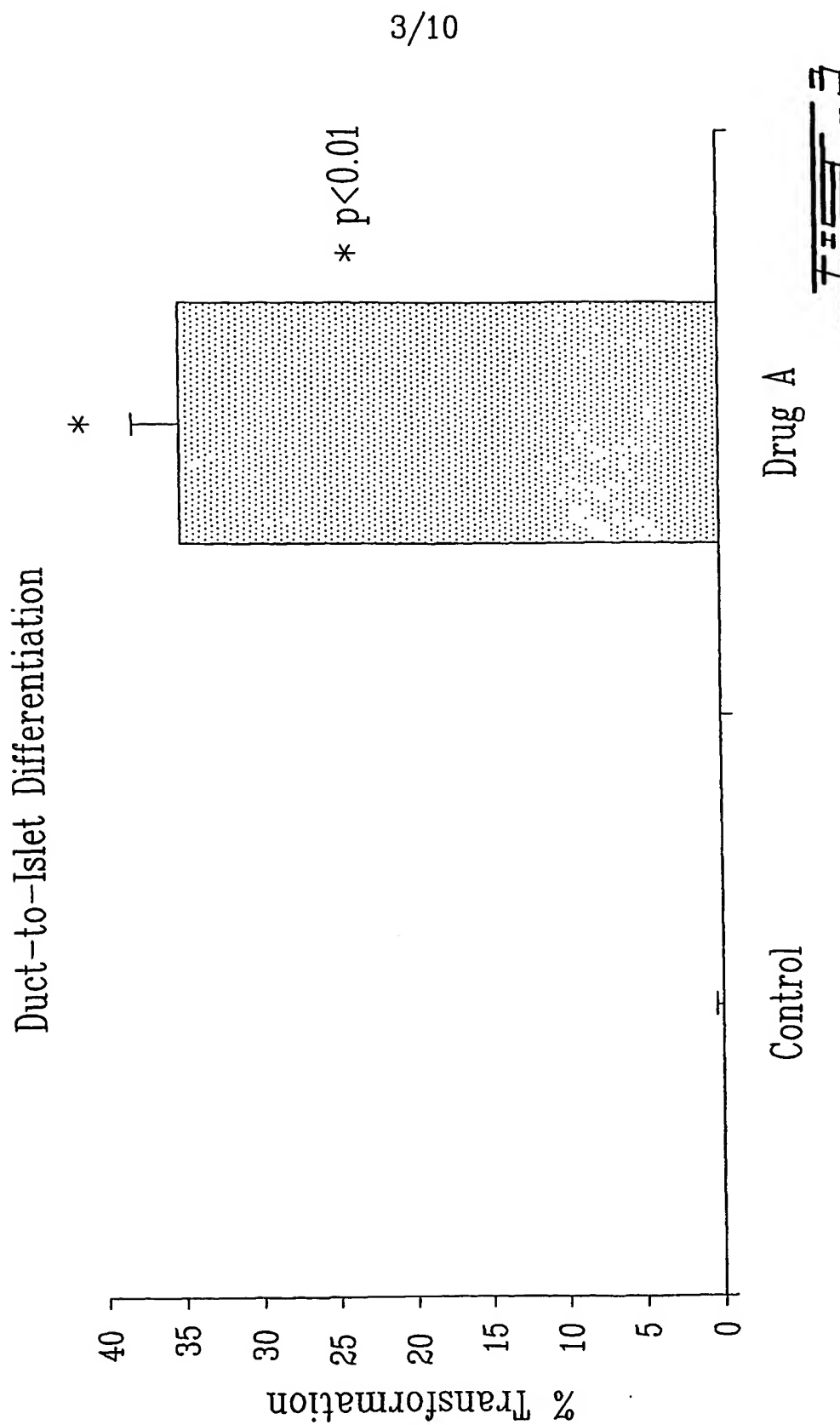
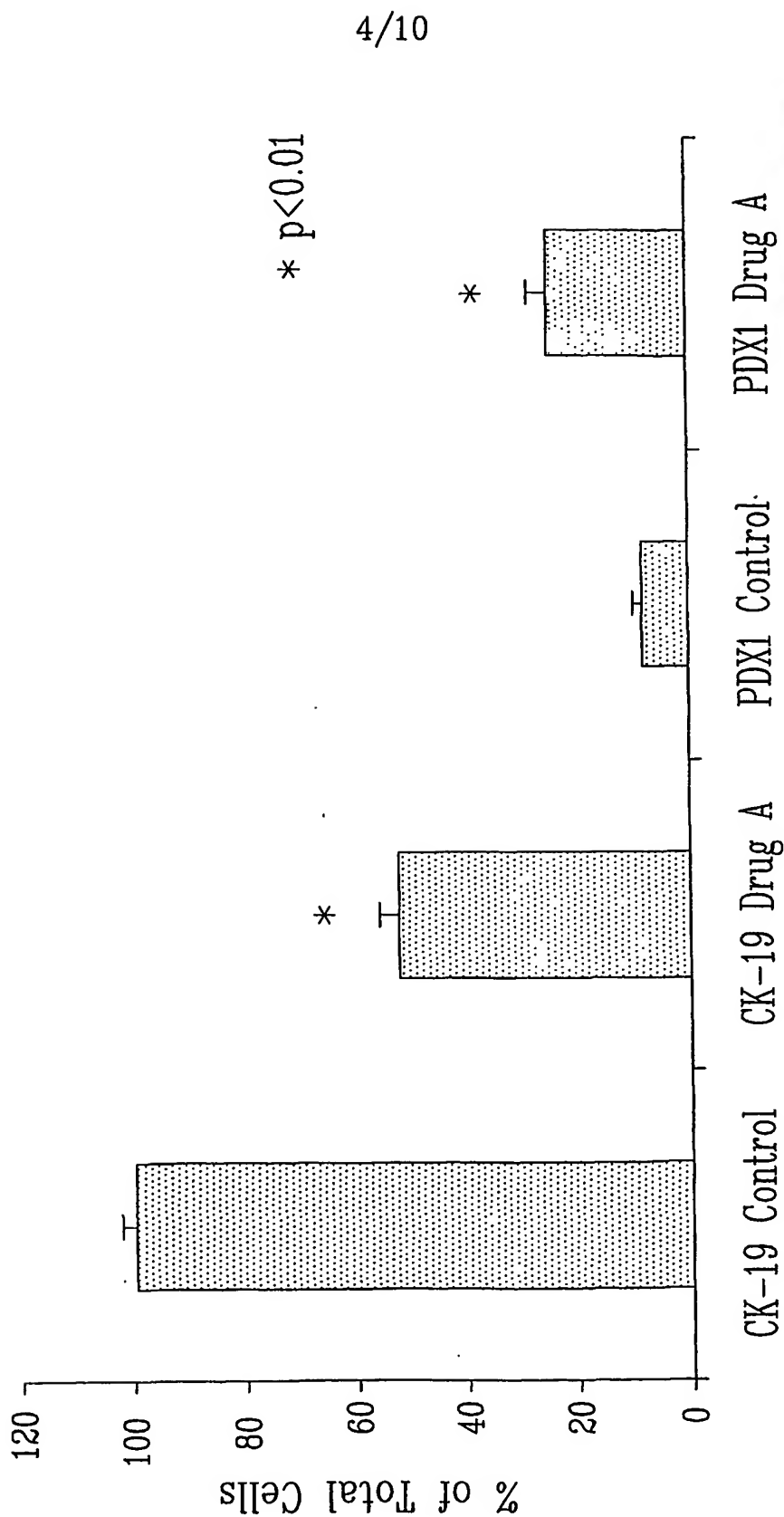


FIG. 2

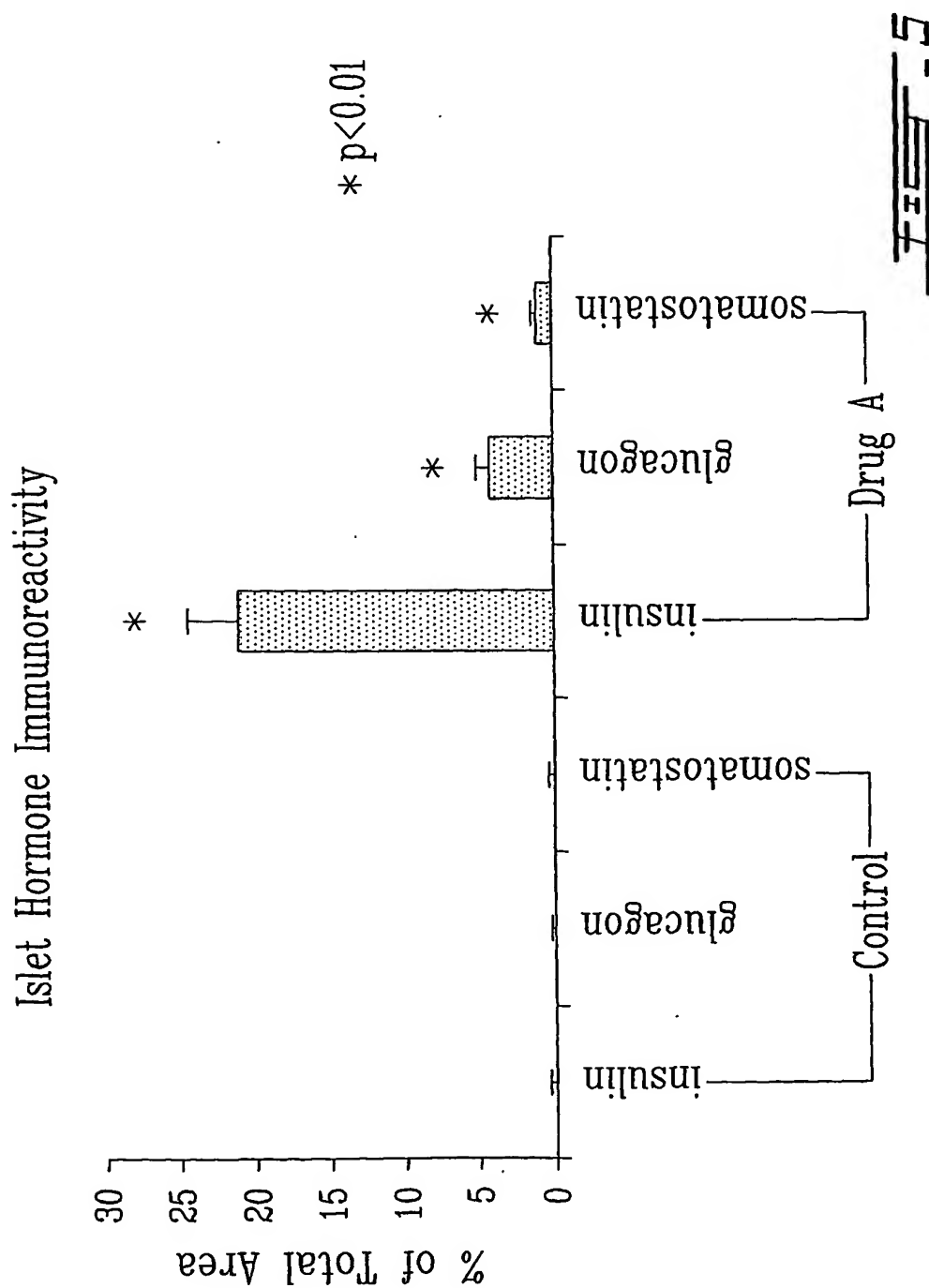


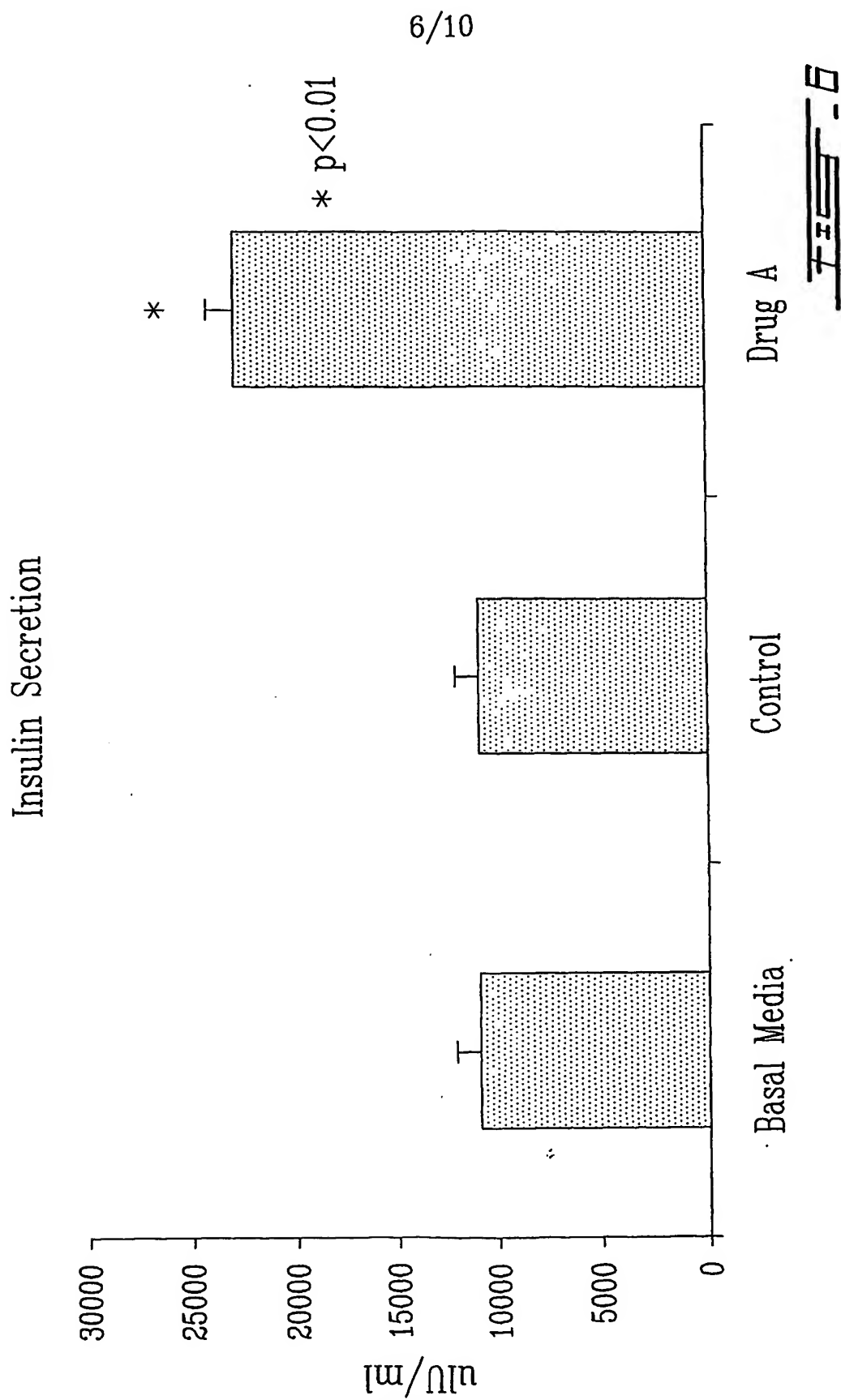
CK-19/PDX1 Immunoreactivity



~~FIG. 4~~

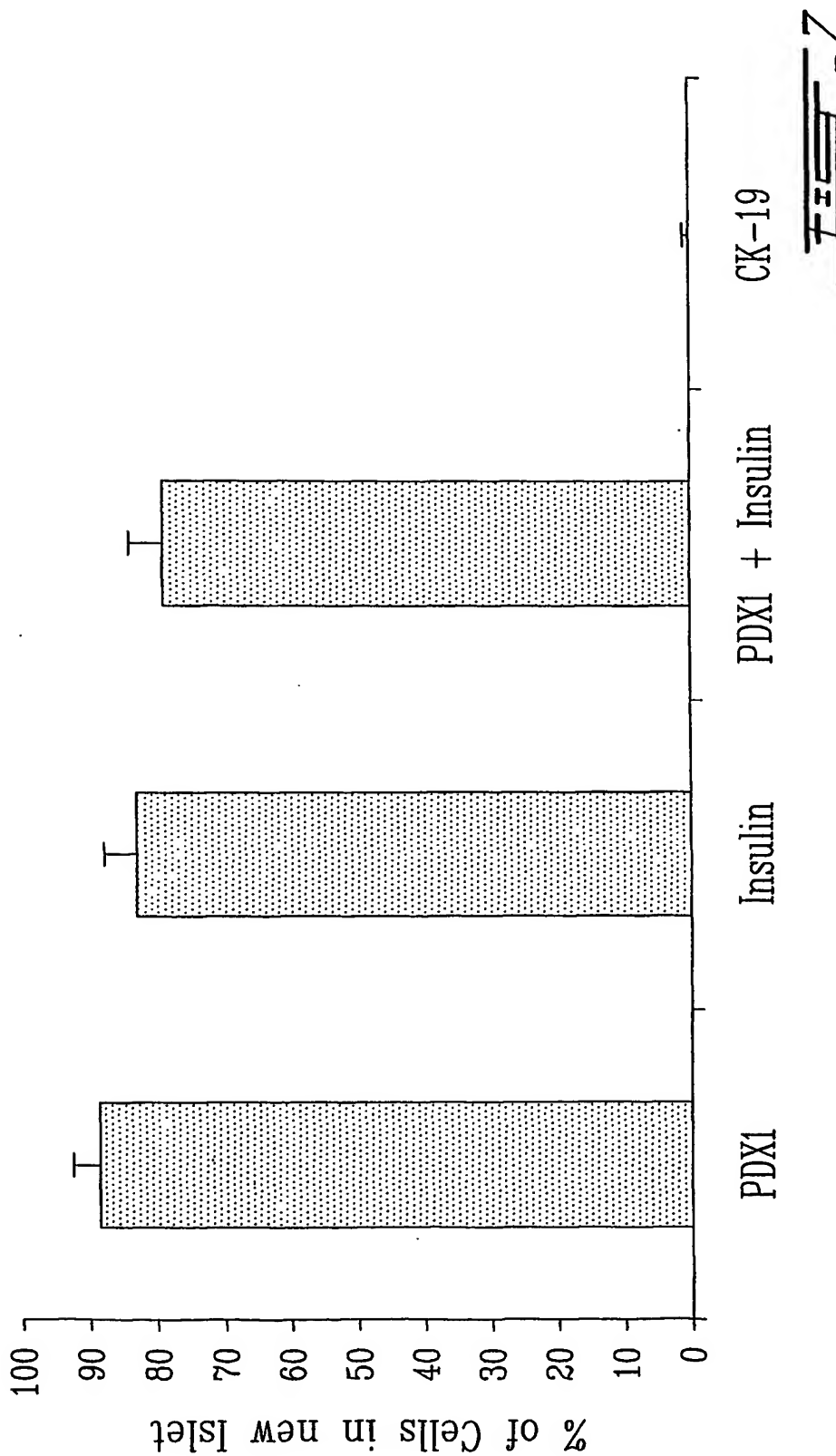
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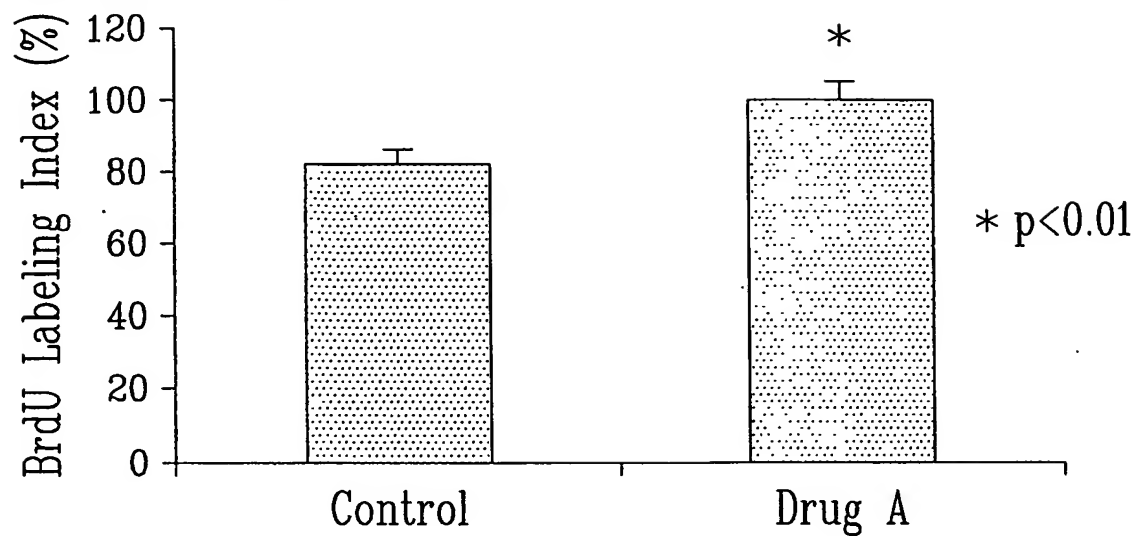
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Cellular Immunoreactivities of new Islets Derived from Ducts

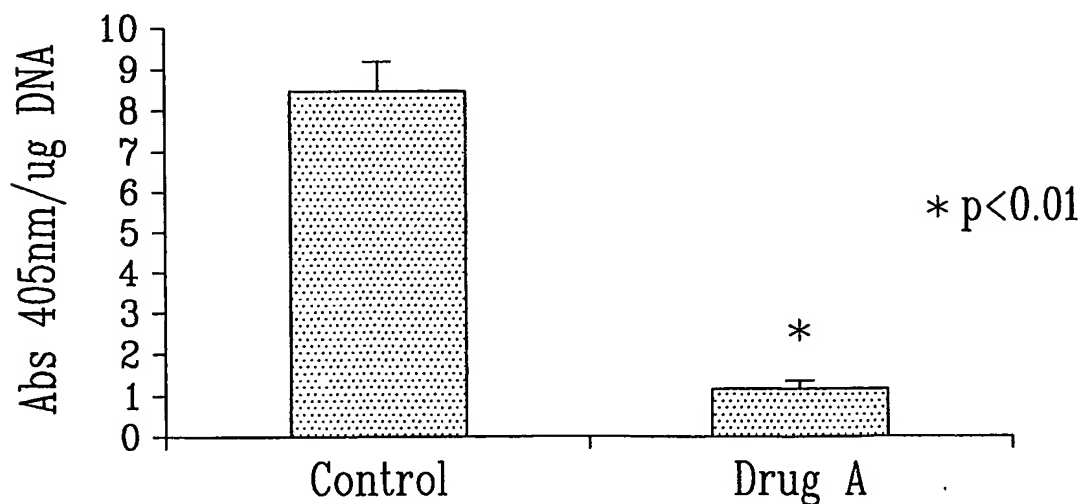


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## Cellular Proliferation

~~FIG. 1A~~

## Cellular Apoptosis

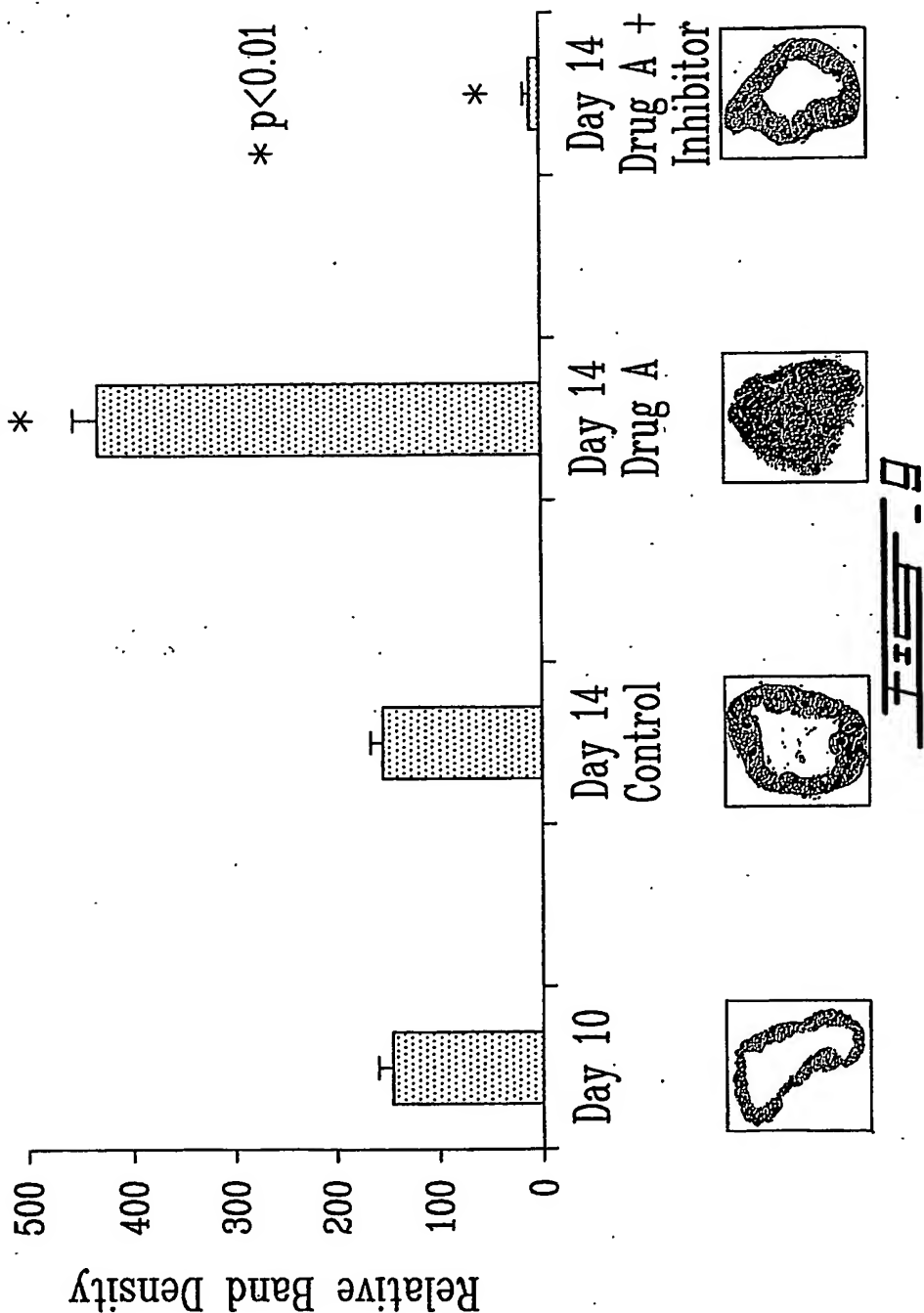
~~FIG. 1B~~



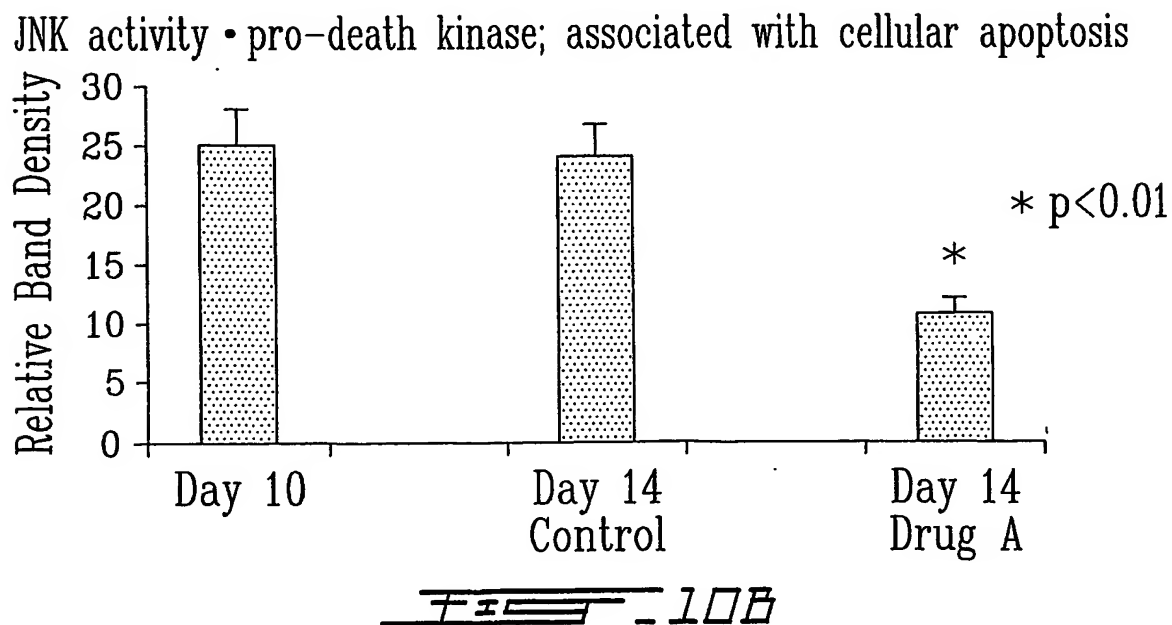
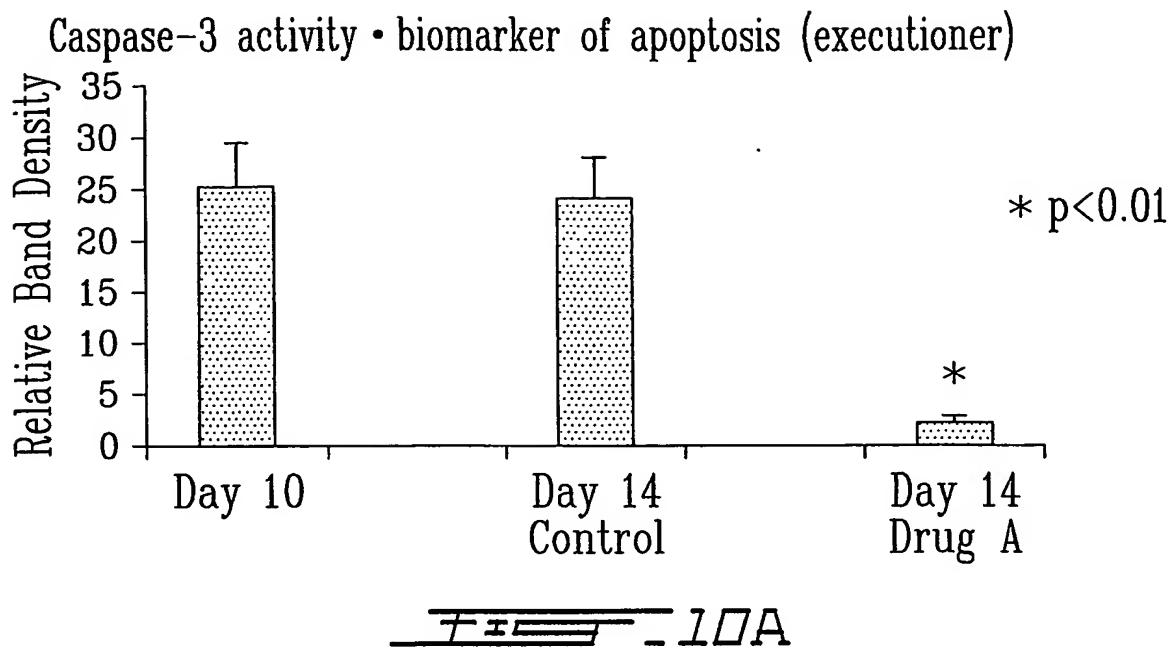
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# REGULATORS OF ISLET DIFFERENTIATION

- Akt (PKB) • pro-survival, pro-differentiation kinase  
• directly downstream of PI3-Kinase



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